

Additional Resources: Product Page

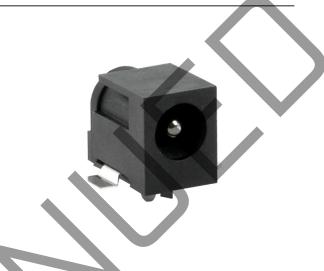
date 08/05/2022

page 1 of 4

# MODEL: PJ-037AH-SMT-TR | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 2.0mm center pin
- 5.0 A rating
- · horizontal orientation
- surface mount (SMT)





#### **SPECIFICATIONS**

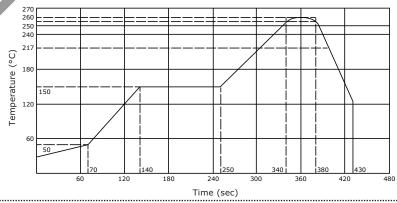
parameter	conditions/description	min	typ max	units
rated input voltage			24	Vdc
rated input current			5.0	А
contact resistance <sup>1</sup>	between terminal and mating plug between terminal in a closed circuit		50 30	$m\Omega$
insulation resistance	at 500 Vdc	100		МΩ
voltage withstand	for 1 minute		500	Vac
nsertion/withdrawal force		0.3	3	kg
operating temperature		-25	85	°C
life	at a rate of 24 cycles/minute		5,000	cycles
flammability rating	UL94V-D			
RoHS	yes			

# **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering <sup>3</sup>	see reflow profile	255	260	265	°C
drying conditions <sup>4</sup>	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

Note:

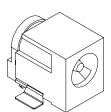
It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. When exceeding floor life by >72 hours.



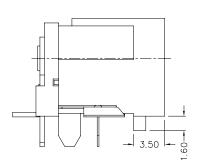
When measured at a current of less than 100 mA/1 kHz
All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

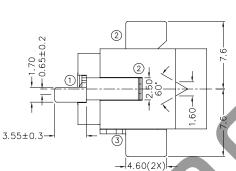
# **MECHANICAL DRAWING**

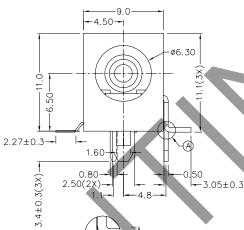
units: mm[inches] tolerance: X.X ±0.2mm X.XX ±0.1mm X.XXX ±0.05mm PCB: ±0.05 mm

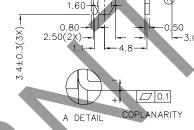


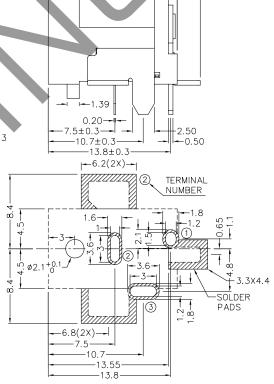
	MATERIAL	PLATING
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
plastic	PA10T	



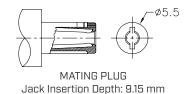








Recommended PCB Layout Top View

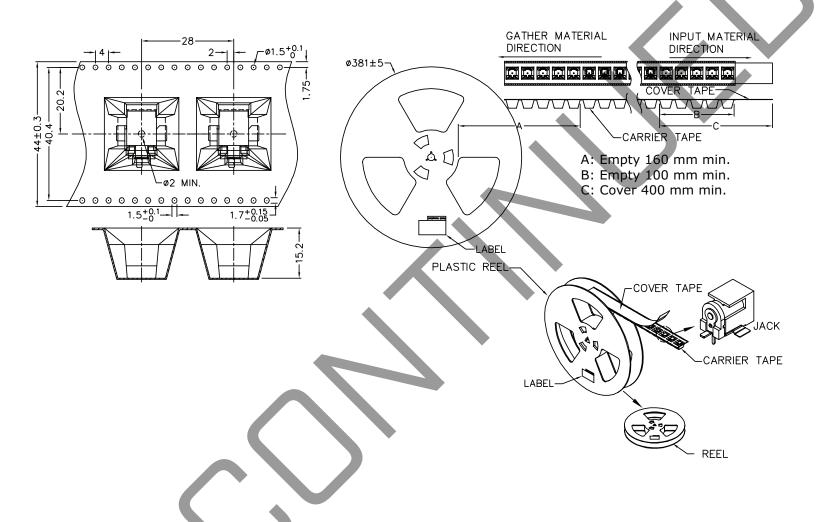


	SCHEMATIC	<b>─</b> 1
		,
		<u> </u>
	Model	PJ-037AH-SMT
	Center Pin	Ø2.0 mm

## **PACKAGING**

units: mm

Reel Size: Ø381 mm Reel QTY: 200 pcs per reel



## **REVISION HISTORY**

rev.	description	date
1.0	initial release	02/02/2007
1.01	added TR package option	11/07/2012
1.02	applied new spec template, updated center pin material	08/21/2013
1.03	increased voltage rating	04/14/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/17/2017
1.05	brand update	10/29/2019
1.06	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.